POCKET CHECKLIST

NORMAL PROCEDURES

[N] APPLICABLE FOR NAVAL AIRCRAFT ONLY

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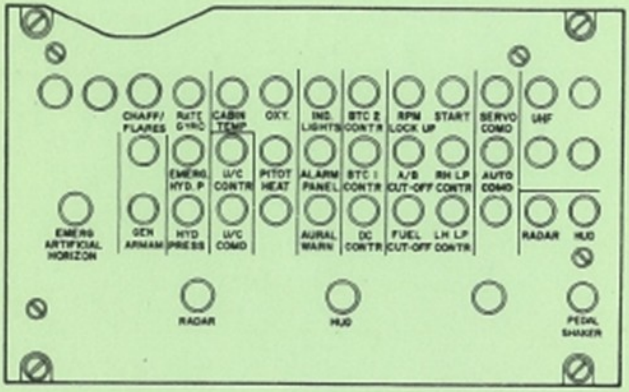
NORMAL PROCEDURES

CHANGES		
CHANGE NO.	DATE	PAGE NO.
3	9/88	N-2, N-29, N-32 N-34, N-35, N-36, N-37

C/B PANEL

C/B PANEL IS FED BY DC-1 SUB BUS



C/B PANEL

ELECTRICAL BUSES

DC-1-1:

- PITOT HEAT (FEED)
- FUEL PUMP – EMERGENCY
- WHEEL POSITION INDICATOR
- LDG GEAR HANDLE (ON GROUND)
- ADF
- BRAKES
- AIR BRAKES (SPEED BRAKES)
- UTILITY ISOLATION
- RUDDER TRIM
- AILERON TRIM
- ELEVATOR TRIM
- SPIKE MOTOR (FEED)
- SPIKE POSITION INDICATOR
- SPIKES (COMMAND)
- INVERTER (FEED)
- INVERTER (GROUND TEST)
- EMERGENCY HYDRAULIC PUMP (FEED)

◄ (Continued)

ELECTRICAL BUSES

- TRANSFORMER – RECTIFIERS (COMMAND)
- LANDING LIGHTS (FEED)
- LANDING AND TAXIING LIGHTS (COMMAND)
- EXTERNAL LIGHTING
- MAP LIGHT AND UPPER INDICATORS
- NAV LIGHT AND BEACON
- FLASHING BEACON (COMMAND)
- AOA INDICATOR
- ECA CONTROL
- ECS CONTROL BOX
- AOA (SENSOR HEATING)
- FUEL DUMP (FEED)
- FUEL DUMP (COMMAND)
- FUEL TRANSFER INDICATOR
- FUEL QUANTITY DEBIMETER
- LOW PRESSURE FUEL VALVE + SWITCH
- PUMP ACTIVATING SWITCHES
- FIRE DETECTORS
- RATE GYRO

(Continued)

- IGNITION SYSTEM BTC 1
- IGNITION SYSTEM BTC 2
- NOZZLE POSITION INDICATOR
- AUTO COMD EMERG DISENGAGE
- BIP
- ADC
- RAISING AND LOWERING SEAT
- ADF AMPLI
- TRANSMIT SELECTOR
- COCKPIT INDICATOR LAMPS
- CBU INVERTER
- WARNING HORN
- RADAR CONTROL BOX
- HUD ACTUATING CONTROL
- AIR START EMERGENCY PUMP
- OXYGEN WARNING

DC C/B PANEL (COCKPIT) (DC1-1 SUB BUS):

- CHAFF / FLARES
- RATE GYRO
- CABIN TEMP
- OXY
- IND LIGHT
- BTC 2 CONTR

◄ (Continued)

- RPM LOCK UP
- START
- SERVO COMD
- UHF
- HUD
- EMERG HYD P
- U/C CONTR
- PITOT HEAT
- ALARM PANEL
- BTC 1 CONTROL
- AB CUT-OFF
- RH LP CONTR
- RADAR
- GEN ARMAMENT
- HYD PRESS
- U/C COMD
- LH LP CONTR
- AURAL WARN
- DC CONTR
- FUEL SHUTOFF

◄ (Continued)

DC1-2

- OVERHEAT SENSOR
- IFF
- AIR INJECTORS FOR CSD COOLING
- PEDAL SHAKER

DC-2:

- TACAN
- MISSILES
- GUN CAMERA
- ATTACK CAMERA
- ARMAMENT PANEL

(Continued)

- MAIN ARMAMENT BOX TEST
- MAIN ARMAMENT LAMP
- FORMATION LIGHTS + SWITCH
- HSI
- ANTI-COL LIGHT
- AUTO COMD

BATT BUS:

- JETTISON
- OVERHEAT WARNING (TR)
- EMERGENCY LIGHTING
- EXTERNAL AC VOLTAGE-CONTROL
- EMERGENCY HYDRAULIC PUMP-CONTROL

◄ (Continued)

AC–1 BUS:

- ENGINE ANTI ICE
- MISSILES
- EMERGENCY INVERTER (CONTROL)
- TRANSFORMER – RECTIFIERS TR (FEED)
- RIGHT LP FUEL PUMP
- LEFT LP FUEL PUMP
- A/B + SWITCH
- TACAN
- AHRS – HEADING PHASE

AC–1 AUTO LOAD REDUCTION:

(Continued)

AC EMERG BUS:

- SERVOCOMMAND
- ADF
- FUEL QUANTITY DEBIMETER
- FUEL QUANTITY INDICATOR
- 26 VAC TRANSFORMER (FEED)
- ADC
- HSI
- SPIKE AMPLIFIER
- EGT INDICATOR
- OIL QUANTITY INDICATOR
- 600 LITER WARNING
- ADI LIGHTING
- ECA
- IFF
- ADI
- CABIN TEMP SELECTOR (AUTO, MAN., EMERG)
- AOA WARNING
- EMERGENCY ARTIFICIAL HORIZON INVERTER

◄ (Continued)

AC–2 BUS:

- EMERG ARTIFICIAL HORIZON
- TRANSFORMER – RECTIFIER TR-2
- ECM BOX
- INSTRUMENT ILLUMINATION
- LEFT TRANSFER PUMP (FEED)
- COCKPIT ILLUMINATION
- RADAR
- AB IGNITION
- MACH WARNING (SPEED LIMIT)
- AUTOCOMMAND
- RADAR
- HUD
- AHRS – GYRO

AC-2 AUTO LOAD REDUCTION:

- RIGHT TRANSFER PUMP (FEED)

EXTERIOR INSPECTION

EXT. EQUIP:

1. CHOCKS, FIRE EXTINGUISHER, AC POWER UNITS AND STARTING UNIT
2. INSPECT THE A/C IN A RIGHT TURN

(Continued)

EXTERIOR INSPECTION

NOSE SECTION:

1. **LEFT INTAKE DUCT** -- COVER REMOVED, FREE OF FOREIGN OBJECTS, SPIKES RETRACTED (RED LINE)
   AUXILLIARY AIR INLET DOOR-- SPRINGLOADED
   BODY STRAKE --CHECK CONDITION

2. **NOSE WHEEL WELL:**
   a) **DOOR UPLOCK LEVER** -- IN
   b) **TIRE** -- CONDITION
   c) **FORK** --CONNECTED
   d) **LANDING LIGHT** -- CONDITION
   e) **NOSE STRUT** -- PRESSURE (EXTENSION), LEAKS
   f) **WHEEL WELL** -- CLEAN, LEAKS, CONNECTIONS
   g) **EMERGENCY GEAR EXTENSION SEPARATOR VALVE** -- PULLED, PHOSPHOROUS MARK – VISIBLE

3. **AOA PROBE** -- COVER REMOVED, INLETS CLEAN, FREE MOVEMENT

(Continued)

4. **PITOT TUBES** -- COVERS REMOVED, CLEAN, SCREWS IN PLACE
5. **TOTAL TEMP. PROBE** -- CONDITION
6. **RIGHT INTAKE** -- AS LEFT INTAKE

UPPER FUSELAGE:

1. **UPPER SECONDARY AIR SCOOPS** -- CLEAN
2. **CSD COOLER SCOOP** -- CLEANLINESS
3. **17TH STAGE BLEED AIR OUTLET** -- CLEAN
4. **VERTICAL STABILIZER SCOOP** -- CLEAN

RIGHT SIDE:

1. **RIGHT WHEEL WELL DOOR UPLOCK LEVER** -- IN & PANEL SECURED
2. **"3 VALVES" REFUELING LEVER** -- IN & COVER SECURED
3. **LOWER SECONDARY AIR SCOOPS** -- CLEAN
4. **RIGHT GEAR** --TIRE CONDITION, BRAKES FREE, HEAVY LANDING MARKER CONDITION, COMPRESSION ROD -- FREE. ROD END DISK – CONDITION.

◄ (Continued)

5. **FUEL DROP TANK** -- CONDITION, REFUELING CAP CLOSED
6. **EXTERNAL STORES** -- CONDITION
7. **RIGHT WING** -- CONDITION, NAV LIGHT, ELEVONS

AFT FUSELAGE;

1. **AFT BELLY TANK** -- LEAKS, CHAFF AND FLARE PROGRAMMER PANEL AS REQUIRED.
2. **EXTERNAL STORE AT STATION NO. 5** --CHECK
3. **LOWER AFT FUSELAGE** -- CHECK FOR SKID DAMAGE
4. **TAIL PIPE** -- CLEAN (FUEL & OIL), NOZZLE - CONDITION A/B FLAME HOLDERS & TORCH IGNITER - CONDITION
5. **DRAG CHUTE** -- SAFETY PIN REMOVED, LOCKING PIN EXTENDED ABOUT 2 CM (3/4").
6. **VERTICAL STABILIZER, RUDDER, NAV LIGHT AND ANTI-COLLISION LIGHT** -- CONDITION

(Continued)

LEFT SIDE:

AS RIGHT SIDE

COCKPIT CHECKS

ON THE LADDER:

1. **EJECTION SEAT** -- CHECK SAFETY PINS AND CONDITION

2. OXYGEN:

   a) **EMERGENCY OXY.** -- FULL. VALVE OPEN
   b) **VISOR VALVE** -- CLOSED
   c) **LA-HA SELECTOR** -- LA
   d) **MAIN OXYGEN VALVE** -- OPEN

3. **GUNSIGHT CAMERA** -- SENSITIVITY AND DELAY - AS REQUIRED

4. **CANOPY** -- CONDITION, MIRRORS AT CORRECT ANGLE

COCKPIT CHECKS

5. **OIL QUANTITY** -- NOT BELOW 30 PINTS

AFTER SITTING:

1. **PARKING BRAKES** -- PULL, CHECK EMERG. BRK PRESS.
2. **ELECTRICAL POWER SW** -- ON
3. **RADIO & HUD** -- ON
4. **SEAT AND PEDALS** -- ADJUST

STRAPPING IN:

1. **DINGHY** -- CONNECT TO MAE WEST
2. **ANTI "g" HOSE** -- ABOVE LAP BELT
3. **OXY & RADIO CONNECTORS** -- UNDERNEATH QUICK RELEASE BELT.
4. **RIGHT LAP BELT** -- CONNECT TO QUICK RELEASE AND PULL TO TIGHTEN BOTH LAP BELTS
5. **RIGHT LEG LOOP** -- PASS THROUGH RIGHT RING
6. **RIGHT SHOULDER HARNESS** -- PASS THROUGH RIGHT LEG LOOP AND CONNECT TO QUICK RELEASE.

(Continued)

7. **OXYGEN HOSE** -- CONNECT TO RIGHT SHOULDER HARNESS
8. **LEFT LEG LOOP** -- PASS THROUGH LEFT RING
9. **LEFT SHOULDER HARNESS** -- PASS THROUGHT LEFT LEG LOOP (OVER OXYGEN & RADIO CONNECTORS) AND CONNECT TO THE QUICK RELEASE.
10. **SHOULDER HARNESS** -- PULL TIGHT
11. **SHOULDER HARNESS LOCK** -- RELEASE, BEND FWD AND CONNECT THE LEG RESTRAINTS (THE CREW CHIEF WILL ARRANGE THE HARNESS AND THE BACK CUSHION).
12. **HELMET** -- PUT ON
13. **OXYGEN & RADIO CONNECTORS** -- CONNECT
14. **GUILLOTINE & LOWER EJECTION SEAT HANDLE SAFETY PINS** -- REMOVE
15. OXYGEN:
    a) **CHEST VALVE** -- CLOSED, CONFIRM BREATHING IS IMPOSSIBLE (NO LEAKS).
    OPEN THE VALVE CHECK NORMAL BREATHING, BLINKER OPERATES & OXY. WARNING LIGHTS – OFF.

◄ (Continued)

a) **OXY. REGULATOR** -- CHECK OPERATION WITH 100% AND EMERG. CHECK LEVERS BACK AT NORMAL AND QUANTITY $^3/_4$ OR ABOVE

b) **CREW CHIEF WILL OPEN VISOR SEAL VALVE** -- 8 MIN O_2 LIGHT - CHECK OFF

16. **8 SEAT SAFETY PINS** -- REMOVED BY THE CREW CHIEF, SHOWN TO THE PILOT AND PUT IN THE BAG.

INTERIOR CHECK
(FROM LEFT TO RIGHT)

LEFT SIDE:

1. **IGNITION/VENTILATION SWITCH** -- "IGN" & GUARDED
2. **FUEL LOW PRESSURE PUMPS** -- OFF
3. **FUEL SHUTOFF** -- OFF & UNGUARDED
4. **A/B SHUTOFF** -- ON
5. **ATTACK CAMERA** -- N/A

(Continuesd)

6. **COCKPIT & INSTRUMENT LIGHTS** -- AS REQUIRED
7. **ANTI-SKID** -- ON
8. **ANTI-ICE** -- OFF, LIGHT - PRESS TO TEST
9. **AURAL WARNING** -- OFF
10. **AOA & PITOT HEAT** -- OFF
11. **MISSILE TONE VOLUME** -- AS REQUIRED
12. **BINGO** -- AS REQUIRED
13. **TRIM LIGHTS (3)** -- PRESS TO TEST
14. **AIR START** -- OFF
15. **THROTTLE** -- CHECK FULL TRAVEL TO MAX A/B AND BACK TO CUTOFF.
16. **RPM L/U** -- "AUTO" & GUARDED
17. **RADIOS** -- "ON", CHANNELS AS REQUIRED
18. **RADIO XMIT SELECTOR** -- "N" SECTION
19. **LANDING LIGHT** --"OFF"
20. **NAV LIGHTS** -- AS REQUIRED
21. **ANTI-COLLISION LIGHT** -- "ON"
22. **GEAR LEVER** -- DOWN, GROUND OVERRIDE BUTTON - SECURED, GEAR INDICATION LIGHTS - 3 GREEN & RED
23. **PUSHBUTTONS (4)** -- OUT

INTERIOR CHECK

24. **CONTR AUG** -- "NORMAL" & SECURED
25. **EMERGENCY GEAR HANDLE** -- IN
26. **BIP** -- PRESS AND CHECK TONE
27. **DRAG CHUTE LEVER** -- FWD
28. **CANOPY JETTISON** -- AFT & SECURED

MAIN INSTRUMENT PANEL:

1. **ARMAMENT PANEL** -- AS REQUIRED
2. **GUN SIGHT CAMERA** -- CHECK OPERATION
3. **"U/C UP" & "AIR BRK" IND LIGHTS** -- PRESS TO TEST
4. **RATE OF CLIMB** --0
5. **SPIKES POSITION INDICATOR** -- 1.36 MACH
6. **ALTIMETER** -- SET QNH
7. **AIR SPEED/MACH IND** -- 0, A/S BUG – 170, MACH BUG AS REQUIRED
8. **FIRE WARNING LIGHT** -- PRESS TO TEST
   (0.5 SEC DELAY)

(Continued)

9. HEAD UP DISPLAY (HUD):
   a) **BRIGHTNESS** --ADJUST
   b) **HUD A/A SWITCH** -- "NORMAL"
   c) **QFE** -- ADJUST (AFTER STARTING ENGINE)
   d) **DEPRESSION** -- AS REQUIRED
   e) **ERASE BUTTONS** -- CHECK
   f) **WING SPAN/DRIFT** --AS REQUIRED
   g) **RELEASE ALTITUDE & RANGE** -- SW CENTERED.

10. **AOA IND** -- "OFF" FLAG OUT OF VIEW

11. **G METER** --"1" (ALL 3 POINTERS)

12. **CLOCK** -- SET

13. **STBY COMPASS** -- CORRECT HEADING

14. **MASTER CAUTION** -- PRESS ("MASTER CAUTION" WILL GO OUT)

15. ENGINE INSTRUMENTS:
   a) **RPM** -- 0
   b) **F/F** -- 0
   c) **EGT** -- NO "OFF" FLAG
   d) **NOZZLE** --OPEN
   e) **OIL PRESS** -- 0
   f) **RPM LOK LIGHT** -- OFF, PRESS TO TEST

16. FUEL:

    a) **DETOTALIZER** --SET
    b) **FUEL QUANTITY** --2 x 510, PRESS TO TEST
    c) **INTERCONNECT VALVE** -- CLOSED
    d) **FUEL TRANSFER LIGHTS** -- PRESS TO TEST
    e) **FWD/NORMAL TRANSFER** -- AS REQUIRED

17. ANNUNCIATOR PANEL, MASTER CAUTION AND AURAL WARNING:

    a) PRESS TO TEST
    b) **"OIL PRESS", "ALT 1 + 2", "HYD 1+ 2"** -- CHECK LIGHT ON

18. **ADI** -- CHECKED

19. **HSI** --HEADING AS ON ADI

RIGHT SIDE:

1. **DINGHY PUNCH PIN** -- SECURED IN PLACE

2. **LOAD REDUCTION SWITCH** --DOWN AND GUARDED

(Continued)

3. **"EXT POWER" WARNING LIGHT** -- ON
4. **ELECTRICAL POWER SWITCHES** -- ON
5. **RADAR** -- OFF
6. **TACAN** -- OFF, CHANNEL - SET
7. **GYRO COMPASS** -- AS REQUIRED
8. **AOA** - (CHECK WITH CREW CHIEF) ABOVE 38°
   - PRESS TO TEST, VERIFY VOR TONE AND PEDAL SHAKER
   - U/C BIP BUTTON - PRESS, VERIFY VOR TONE CANCELLED
9. AIRCONDITIONING CONTROL PANEL:
   a) **EMERGENCY COOLING** -- OFF
   b) **MODE SELECTOR** -- AUTO
   c) **TEMP SELECTOR** -- 12 O'CLOCK
   d) **MASTER SWITCH** -- ON
   e) **OVERRIDE SWITCH** -- OFF
10. **IFF** -- STBY, MODES AS REQUIRED
11. **C/B PANEL** -- ALL IN, EXCEPT
    - EMER HYD P
    - GEN ARMAM

◄ (Continued)

- EMERG ARTIFICIAL HORIZON
- CHAFF/FLARES

12. **UTILITY LIGHT** -- PULL TO TEST LIGHT
13. **DEFOG LEVER** -- OFF (AFT)
14. **CANOPY SEAL & FREE AIR LEVER** -- FWD

START

NORMAL START:

1. **CANOPY** -- CLOSED AND LOCKED
2. **THROTTLE** -- CUTOFF
3. **PARKING BRAKES** -- CHECK ON
4. **EXT POWER** -- CONFIRM
5. **START CLEARANCE** -- FROM CREW CHIEF
6. **FUEL SHUTOFF** -- ON, CHECK GUARDED

(Continued)

7. **L.P. FUEL PUMPS SWITCHES** -- ON, ONE BY ONE: VERIFY FUEL PRESS. LIGHT GOES OFF AND TRANSFER PUMPS OPERATE.
8. DIRECT GROUND CREW TO APPLY AIR PRESSURE.
9. **START BUTTON** -- PUSH AFTER RPM ALIVE
10. **AT 10% RPM** -- THROTTLE PUSH FWD ABOVE IDLE AND PULL BACK TO IDLE, CHECK F/F 4 - 6 LPM
11. MONITOR ENGINE INSTRUMENTS:
    a) ENGINE "LIGHT OFF" - (EGT RISE) AT 13 - 15% RPM
    b) OIL PRESS AND F/F INCREASE
    c) AT 35% RPM DIRECT GROUND CREW TO SHUT OFF AIR
12. CHECK ENGINE AT IDLE:
    a) **RPM** -- 66 - 68%
    b) **OIL PRESS** -- MIN 12 PSI
    c) **EGT** -- 250° - 540°C
    d) **F/F** -- 8 - 15 LPM
    e) **NOZZLE** -- $^{5}/_{8}$ - $^{7}/_{8}$
13. **ALTRN 1+2 WARNING LIGHTS** -- OFF
14. **EXT. POWER LIGHT** - OFF
    GEAR DOORS RED LIGHT - OFF

START

MANUAL START:

1. PROCEED WITH NORMAL PROCEDURE, STEPS 1 THROUGH 8. THEN:
2. SIGNAL CREW CHIEF FOR "AIR ON"
3. AT 10% RPM:
   a) **THROTTLE** -- ABOVE IDLE AND BACK TO IDLE
   b) **AIR START SWITCH** -- FWD, HOLD SWITCH, AFTER THE ENGINE LIGHT OFF (EGT RISE)
      - AIR START SWITCH – OFF
4. **RPM 35%** -- SIGNAL TO CREW CHIEF FOR "AIR OFF"
5. **WAIT UNTIL ENGINE STABILIZED AT IDLE.**

ENGINE VENTILATION:

1. **L.P. FUEL PUMP SWITCHES** -- OFF
2. **THROTTLE** -- CUTOFF
3. **IGN/VENT SWITCH** -- VENT
4. **SIGNAL CREW CHIEF** -- "AIR ON"
5. **AT 15% – SIGNAL CREW CHIEF** – "AIR OFF"
6. **WAIT UNTIL ENGINE STOPS**
7. **IGN/VENT SWITCH** -- TO IGN AND GUARDED

START MALFUNCTIONS:

STOP START WHEN:

1. NO LIGHTOFF 20 SEC AFTER THROTTLE MOVED TO IDLE OR AT 17% RPM
2. F/F REACHES 8 LPM – AND NO LIGHTOFF
3. NO OIL PRESS INDICATION 30 SEC AFTER START
4. RPM HANG UP AFTER LIGHTOFF (EGT CONTINUES TO RISE)
5. EGT – REACHES 705°

STOP START:

1. **THROTTLE** -- CUTOFF
2. **LP FUEL PUMP SWITCHES** -- OFF
3. **IGN VENT** -- TO VENT
4. WAIT UNTIL ENGINE STOPS. THE CREW CHIEF CHECKS THE ENGINE. IF THERE IS RESIDUAL FUEL IN THE TAILPIPE – PERFORM ENGINE VENTILATION.

NOTES

* AFTER A FAULT START OR ENGINE VENTILATION – BEFORE SECOND ATTEMPT, RECYCLE START C/B AND WAIT FOR 60 SEC.

** THE STARTER IS LIMITED TO CONTINUOUS OPERATION OF 1 MINUTE (60 SEC) AND A WAIT A PERIOD OF 2 MINUTES BEFORE ANOTHER ATTEMPT.

◄ (Continued)

AFTER START (Right to Left)

1. PUSH IN THE FOLLOWING C/Bs:
   - EMER HYD P -- CHECK "HYD EMER" LIGHT - OFF
   - GEN ARMAM
   - EMERG ARTIFICIAL HORIZON - ROTATE KNOB FOR UNLOCK, PULL TO ERECT, "OFF" FLAG OUT OF VIEW
2. **IFF** - LOW/NORMAL
3. **HYD PRESS** -- CHECK (4) (195 - 210) LEAVE SW IN AFT POSITION.
4. **TACAN** -- T/R AND CHECKED
5. **RADAR** -- TO "STBY" (AMBER LIGHT FLASHES)
6. **HUD** -- CHECK QFE AND SPEED SCALE
7. **AHRS** -- ON
8. **MAIN INSTRUMENT PANEL** -- CHECK PROPER INDICATIONS
9. **PUSHBUTTONS** -- ENGAGE ("P", "Y")
10. **RPM** -- 80% (FOR GROUND CREW LEAK CHECK)
11. **CONTROLS & DAMPERS** -- CHECK WITH CREW CHIEF

TAXI

1. **HYD PRESS** -- CHECK NORMAL
   PARKING BRAKES -- RELEASE
2. **TAXI SLOWLY** -- CHECK BRAKES WITH AND WITHOUT ANTI SKID
3. **FLIGHT INSTRUMENTS** -- PROPER INDICATIONS
4. **RADAR:**
   a) **STBY** -- AMBER LIGHT - STEADY
   b) **"350" BUTTON** -CHECK "TX"
   - PRESS "TEST" TO CANCEL "TX"

AFTER START

BEFORE TAKEOFF

1. **AT IDLE RPM,** CHECK
   a) **FUEL** -- QUANTITY, DETOTALIZER, LIGHTS, INTERCONNECT CLOSED
   b) **HYD PRESS** --CHECK (4), LEAVE SWITCH IN AFT POSITION.
   c) **TRIMS** – CLEAN CONFIGURATION: ELEVATOR TRIM LIGHT IN THE AFT POSITION OF THE NEUTRAL BAND
      – WITH EXTERNAL STORES; ELEVATOR TRIM LIGHT ON CLOSE TO THE FWD EDGE OF THE NEUTRAL BAND
      – ROLL AND YAW TRIM LIGHTS – OFF
   d) **PUSH BUTTONS** -- ENGAGE "P" AND "Y" ONLY
   e) **CANOPY** -- LOCKED, PUSH UP TO CHECK
   f) **RPM & EGT LIMITS AT MIL POWER** – CHECK ACCORDING TO OAT (TABLE)
   g) **PITOT HEAT & AURAL WARNING SWITCHES** -- ON, CHECK PITOT HEAT WARNING LIGHT – OFF

AFTER LINEUP:

1. **CONTROLS** -- CHECK
2. **COMPASSES** -- ON RUNWAY HEADING
3. **ADI** -- ERECT
4. **THROTTLE:**
   a) **MIL POWER** -- OPEN RAPIDLY, TAKE TIME TO F/F CUTBACK AND CHECK:
      1) **TIME** -- UP TO 10 SEC
      2) **ENGINE PARAMETERS** --WITHIN LIMITS
   b) CLOSE GRADUALLY AND CHECK:
      1) **BRAKES** -- HIGH PRESS STAGE AT 88 - 85%
      2) **NOZZLE** -- OPENS AT 83-81%
   c) SNAP TO IDLE AND CHECK:
      1) NO COMPRESSOR STALL
      2) MINIMUM F/F - NOT BELOW 4 LPM
5. **WARNING AND FUEL TRANSFER LIGHTS** -- OFF

BEFORE TAKEOFF - TAKEOFF

TAKEOFF

1. **THROTTLE** --MIL

2. **MIL POWER : BRAKES** -- RELEASE
   A/B -- IGNITE. CHECK LIGHTOFF (THRUST, NOZZLE - $^{1}/_{2}$)
   A/B --OPEN TO MAX AND CHECK
   a) **NOZZLE** -- $^{5}/_{8}$ - $^{7}/_{8}$
   EGT & OIL PRESS -- WITHIN LIMITS

3. **AT RTO LINE:** AIRSPEED CHECK (CLEAN - 130 -140 KT)

4. **ROTATION SPEED:** CLEAN - 150
   LOADED - 25 KT BELOW TO. SPEED

5. **TO. SPEED:** CLEAN - 175 KT (ADD 5 KT FOR EACH ADDITIONAL 1000 KG)

AFTER TAKEOFF

1. **GEAR** -- UP (SAFETY ALT), L/G INDICATION LIGHT – OUT
2. **A/B** -- CLOSE GRADUALLY
   a) **CLEAN** -- 250 KT
   b) **LOADED** -- 300 KT AND ABOVE
3. **NOZZLE** -- CHECK CLOSED TO $^{1}/_{3}$ – $^{3}/_{8}$

CLIMB

1. CLIMB SPEED:
   a) **CLEAN** --400/0.9
   b) **EXTERNAL TANKS** -- 350/0.85
2. SPIKES PUSH BUTTON:
   a) **FOR FLIGHT BELOW 1.3 MACH** -- OUT
   b) **FOR FLIGHT ABOVE 1.3 MACH** -- IN

LANDING

DESCENT

1. **RADAR** -- OFF
2. **ARMAMENT** -- CHECK/OFF

ON "DOWNWIND"

1. **AIRSPEED** -- 250 KT
2. **U/C UP BLINKER** -- CHECK FLASHING
3. **HYD PRESS** -- CHECK
4. **BRAKES** -- CHECK RESPONSE
5. **GEAR** -- DOWN, CHECK 3 GREEN LIGHTS, U/C UP BLINKER – OFF
6. **BIP** -- CHECK TONE
7. **LANDING LIGHT** -- ON
8. **SPEED BRAKES** -- IN
9. **AIRSPEED** -- 220 KT
10. **GRADUALLY REDUCE SPEED TO 200 KT WHILE TURNING TO FINAL APP LEG**
11. **AIRSPEED** -- REDUCE GRADUALLY ON FINAL
12. V_{REF} -- 170 KT FOR CLEAN (600 LITER), 19 UNITS AOA (BEGINNING OF 400 HZ AURAL TONE) ADD 5 KT FOR EACH ADDITIONAL 1000 KG
13. **DRAG CHUTE** -- DEPLOY, NOT ABOVE 180 KT
14. **STICK** -- HOLD BACK FOR BETTER BRAKE EFFICIENCY
15. **DRAG CHUTE** -- RELEASE AT TAXIING SPEED

LANDING – ENGINE SHUTDOWN

CAUTION

1. THROTTLE – TO IDLE JUST BEFORE TOUCHDOWN
2. SPEED BRAKES -- DO NOT EXTEND BELOW 200 FEET

AFTER CLEARING THE RUNWAY:

1. **PITOT HEAT, AURAL WARNING, LANDING LIGHT (DAY)** -- OFF
2. **OXYGEN MASK** -- REMOVE
   CHEST VALVE -- CLOSE
3. **TRIMS** -- TO NEUTRAL (LIGHTS OFF)
4. **IFF** -- OFF
5. **RADAR** -- CHECK OFF

ENGINE SHUTDOWN:

1. **THROTTLE** -- IDLE
2. **C/B** -- "EMER HYD P" EMERG ARTIFICIAL HORIZON, GEN ARMAM – PULL OUT
3. **TACAN, INVERTOR, HUD, AHRS, RADIOS** -- OFF
4. **THROTTLE** -- CUTOFF
5. **LP FUEL PUMPS** -- OFF

AFTER ENGINE STOPPED:

1. **FUEL SHUTOFF** -- OFF
2. **UTIL HYD PRESS** -- RELEASE (SPEED BRAKES)
3. **BATT** -- OFF